

Franzell

(4)
Line 774

10-14-69

TAS 3460B-14

T.H. 212

T.H. 694 TO ST. CROIX RIVER

S.P. 8214-47

OCT. 1969

**OFFICE OF
TRANSPORTATION PLANNING**

MINNESOTA HIGHWAY DEPARTMENT

DEPARTMENT HIGHWAY

Office Memorandum

TO : Paul G. Velz
Road Design Engineer

DATE: October 15, 1969

FROM : Douglas H. Differt, Chief
Traffic Analysis Section

SUBJECT: T.H. 212; TH 694 to St. Croix River
S.P. 8214-47
TAS 3460B-14

The Traffic Analysis Section transmits this report in response to R. T. Peterson's July 18, 1969 request for the 1985 ADT, DHV, and HCADT for the project location shown on the map on page 2.

The estimated 1985 ADT volumes are shown on the map on page 3.

For each segment numbered on the map on page 3, the following data are tabulated on pages 4-8:

- (a) Total ADT
- (b) Vehicle Type Distribution
- (c) Total HCADT

Segment 6, with a 1985 ADT of 32,800, has the highest 1985 ADT on the project section of T.H. 212. The 1968 ADT on the parallel section of existing T.H. 212 is 9,400.

The basic data, method and assumptions used to prepare this report are presented on page 9.

Douglas H. Differt
Douglas H. Differt, Chief
Traffic Analysis Section

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STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP

Project Location
SP 8214-47

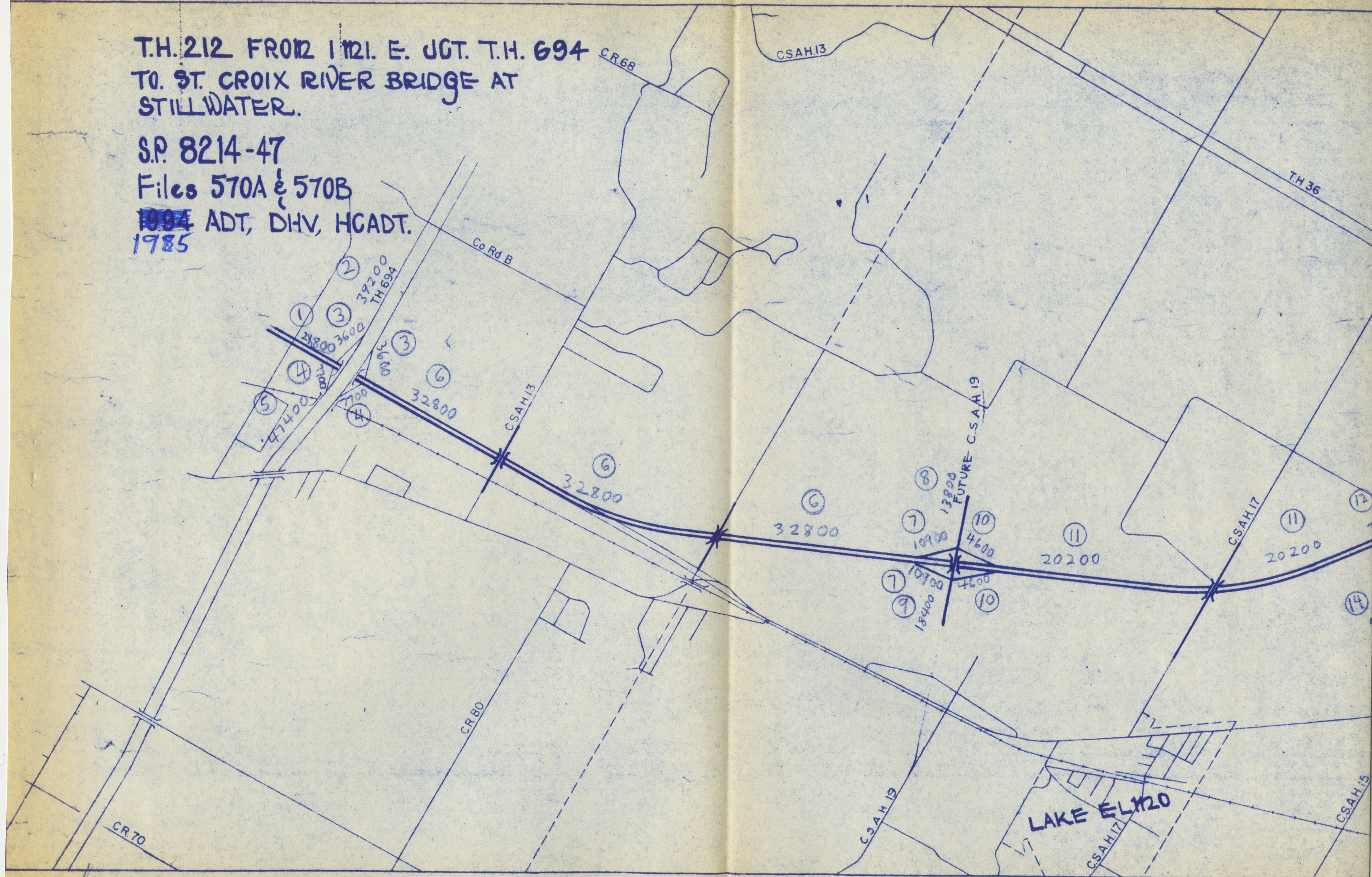


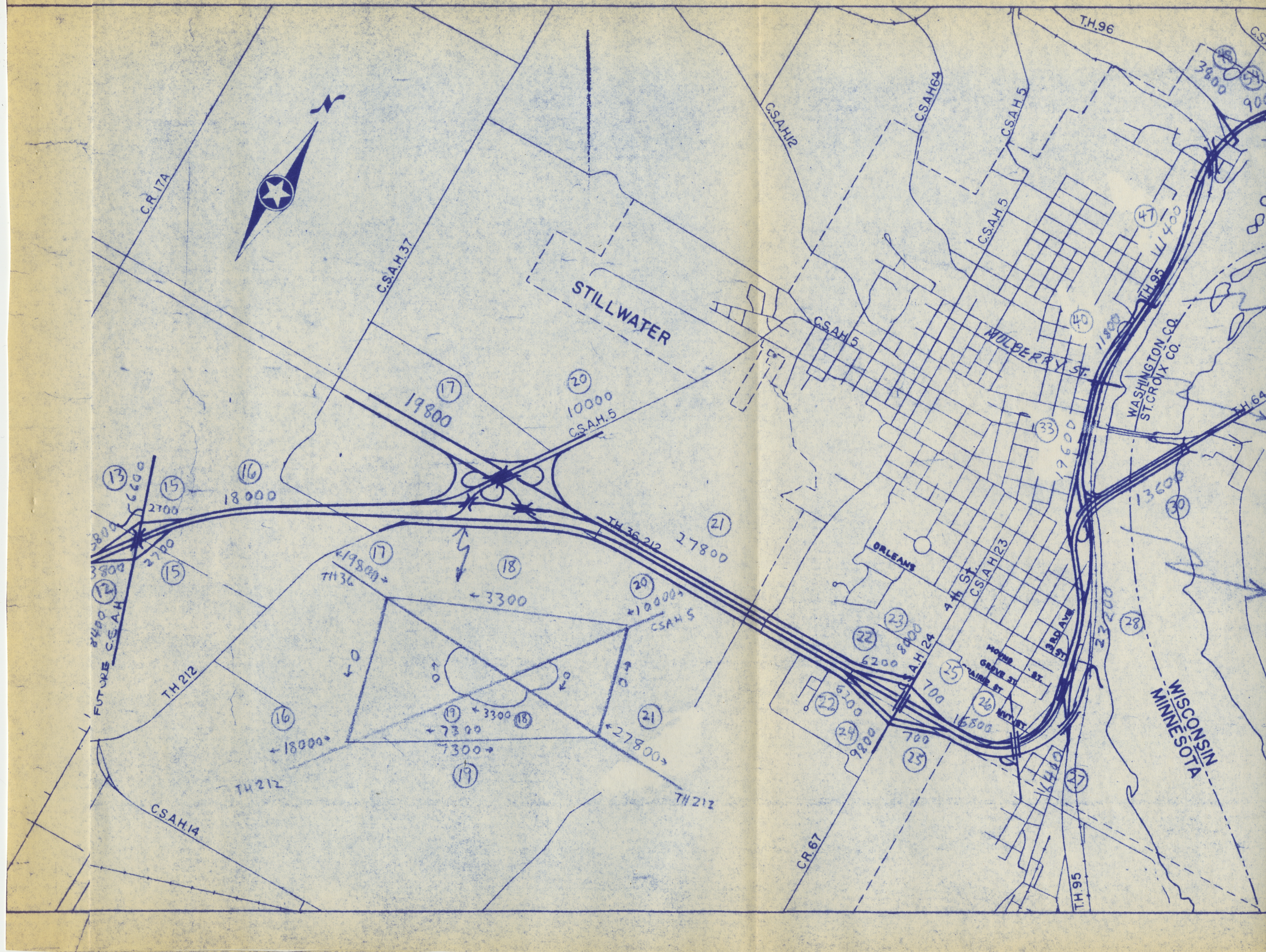
T.H. 212 FROM 1 MI. E. JCT. T.H. 694
TO ST. CROIX RIVER BRIDGE AT
STILLWATER.

S.P. 8214-47

Files 570A & 570B

1994 ADT, DHV, HCA DT.
1985





TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 5

FOR

T.H. 212 S.P. 8214-47 LENGTH - MILES
COUNTY Washington LOCATION T.H. 694 to St. Croix River

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	20560	37150	3424	7278	44858	30978	10297	13054	17394	4595	19174
1	601	698	87	230	984	910	309	414	503	117	526
2	131	507	26	73	601	227	55	66	91	17	151
3	101	95	3	8	105	112	33	35	58	9	64
4	49	217	25	27	221	100	44	43	77	12	36
5	100	328	4	8	336	111	43	35	83	10	45
6	258	205	31	76	295	362	119	153	194	40	204
TOTAL ADT	21800	39200	3600	7700	47400	32800	10900	13800	18400	4600	20200
TOTAL H. COMM. ADT	1240	2050	176	422	2542	1822	603	746	1006	205	1026
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 5

FOR

T.H. 212 S.P. 8214-47 LENGTH - MILES
COUNTY Washington LOCATION T.H. 694 to St. Croix River

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	3559	6184	7872	2532	17120	18823	3192	6916	9672	26271	5871
1	122	197	255	88	458	429	58	200	174	713	154
2	20	40	49	13	137	118	11	62	35	220	31
3	18	26	34	12	52	25	5	23	16	61	25
4	16	33	40	10	24	80	5	10	14	90	25
5	17	40	47	10	31	261	6	12	19	273	32
6	48	80	103	35	178	64	23	77	70	172	62
TOTAL ADT	3800	6600	8400	2700	18000	19800	3300	7300	10000	27800	6200
TOTAL H. COMM. ADT	241	416	528	168	880	977	108	384	328	1529	329
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 3 OF 5

FOR

T.H. 212 S.P. 8214-47 LENGTH - MILES
COUNTY Washington LOCATION T.H. 694 to St. Croix River

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH 33 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	23	24	25	26	27	28	29	30	31	32	33
0	7574	9278	662	15853	6088	21941	8242	12993	13699	4751	18450
1	199	244	18	441	220	661	208	337	453	129	582
2	41	50	4	166	42	208	39	83	169	44	213
3	33	40	2	15	8	23	7	12	16	5	21
4	33	40	3	46	12	58	21	30	37	9	46
5	40	50	4	217	25	242	47	93	195	46	241
6	80	98	7	62	5	67	36	52	31	16	47
TOTAL ADT	8000	9800	700	16800	6400	23200	8600	13600	14600	5000	19600
TOTAL H. COMM. ADT	426	522	38	947	312	1259	358	607	901	249	1150
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 4 OF 5

FOR

T.H. 212 S.P. 8214-47 LENGTH - MILES
COUNTY Washington LOCATION T.H. 694 to St. Croix River

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 34 THROUGH 44 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	34	35	36	37	38	39	40	41	42	43	44
0	6370	1944	7615	2515	867	193	11196	578	193	962	577
1	262	35	326	46	57	4	346	13	5	22	14
2	134	7	149	9	14	1	87	2	1	3	2
3	11	3	23	3	12	-	19	1	-	2	1
4	15	3	17	4	1	-	29	1	-	2	1
5	198	4	201	5	2	-	41	1	-	2	1
6	10	4	69	18	47	2	82	4	1	7	4
TOTAL ADT	7000	2000	8400	2600	1000	200	11800	600	200	1000	600
TOTAL H. COMM. ADT	630	56	785	85	133	7	604	22	7	38	23
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 5 OF 5

FOR

T.H. 212 S.P. 8214-47 LENGTH ----- MILESCOUNTY Washington LOCATION T.H. 694 to St. Croix River

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 45 THROUGH 54 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER									
	45	46	47	48	49	50	51	52	53	54
0	193	193	10811	3629	2865	193	573	193	577	8519
1	5	5	338	80	63	5	13	5	14	288
2	1	1	86	14	12	1	2	1	2	76
3	-	-	18	5	3	-	1	-	1	16
4	-	-	28	15	12	-	2	-	1	18
5	-	-	40	23	18	-	4	-	1	26
6	1	1	79	34	27	1	5	1	4	57
TOTAL ADT	200	200	11400	3800	3000	200	600	200	600	9000
TOTAL H. COMM. ADT	7	7	589	171	135	7	27	7	23	481
TOTAL DHV										
DIRECTIONAL DISTRIBUTION										

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS 5 = TRACTOR-TRUCK OR SEM-TRAILER - 5 AXLES
 2 = SINGLE UNIT-3 AXLE TRUCKS 6 = BUSES AND TRUCKS WITH TRAILERS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

BASIC DATA, METHOD, AND ASSUMPTIONS

The 1985 ADT and DHV are presented in TAS 639B-14 transmitted September 11, 1969.

This report agrees with TAS 3460 A-14 transmitted July 15, 1969 at the west end of the project. Vehicle types for the remainder of the project were adjusted for the new geometrics presented in TAS 639B-14. To obtain 1994 ADT, the traffic volumes in this report may be expanded by 30 percent.